Original

P.W.G. 17 | 1st & Final Bill | CONTRACT CERTIFICATE | Reference paras 158 & 170

JO

Work Code: 016-16-000018

Division | Sub division | Date SBR No-104 18/12/18

Bills received No BR No-105 Date 18/12/18 | Sub-divisional / Divisional | Cash book vr No / Date

Sheduled Docket No

Head of account: P0294

Name of work(as per sanctioned estimate) :- **Name of the Work: Providing M&R to Electrical installation of BBMP Buildings in Ward no 16,17 & 37.**

Name of contractor and full address :- **Prema Electrical Enterprises, No.342/2, 11th Cross, Sampige Road, Malleswaram Bangalore**

Reference to agreement No :- **No EE/BBMP/ELECT/WO/ 70/2016-17 Dt: 25-03-2017**

Certified that the measurments were taken by me on 18/12 and recorded on pages 221501 to 221507 of measurment book No 2016/18-19 and the work is satisfactorily executed by the contractor

For PREMA ELECTRICAL ENTERPRISES

Signature of contractor **Office in Charge of work**

Proprietor

Certified that the measurments were taken by me on 18/12 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

EE (Ele.) **Sub-divisional officer** AEE (Ele.)

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	97997.00
2) Deduct amount to be held in reserve being-----percent Rs----------%--------	
3) Balance---	
4) Deduct	
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------	
b) Cost of payments/stores or other materials supplied now made Amount paid on this bill by cheque/cash	
Total	
5). Balance being unpaid value of work done held in reserve	
6) Deduct cash of advance made on divisional/sub divisional cash book	
7) Net amount due to or from contractor.	
UN ADJUSTED ITEMS	
8) Advance to contractor for materials to site(as detailed within)	
9) Value of government materials supplied.	
TOTAL AMOUNT UN-ADJUSTED	

Adjustments Details

IT :	980=00
CGST :	980=00
SGST :	980=00
FSD :	4900=00
LC :	980=00
SBF :	98=00
OTHERS :	-
TOTAL :	8918=00
Nett :	89079=00

Adjd

Contractor's signatures Chqd. 89079/-

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all

Witness

1)

2)

For PREMA ELECTRICAL ENTERPRISES

Receipt Stamp

Proprietor

Passed for Rs. 97997 Gross

Cheque Rs 89079 On

Adjustment Rs 8918 On

Rs in Words eighty nine thousand seventy nine only.

Dated signature of contractor

paid by me cheque No.....dated.....

Cash Rs.....

Date Initials of officer making payment Date Executive Engineer (Ele)

Name of the Work: Providing M&R to Electrical installation of BBMP Buildings in Ward no 16,1

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total	
			Qty	Cost	Qty	Rate	Cost	Qty	C
1	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.								
	19/20mm dia 2mm thick	Mtr.			25	54.00	1350.00	25	1350.00
2	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required.								
	25mm	Mtr			25	26.00	650.00	25	650.00
3	Supplying PVC/GI flexible conduit pipe...mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely								
	20mm	Mtr			5	23.00	115.00	5	115.00
4	Supplying And Fixing "S" Hook made out of 14mm dia M.S.Rod.	No			5	36.00	180.00	5	180.00
5	Supplying And Fixing M.S. Rafter Clamp Set made out of M.S. Flat & 14mm M.S. rod.	No			5	83.00	415.00	5	415.00
6	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A								
	Short point upto 3Mtr from tapping point to out let via switch	Point			2	174.00	348.00	2	348.00
	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	Point			5	245.00	1225.00	5	1225.00
	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Point			5	363.00	1815.00	5	1815.00
7	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.								
	1.5 sqmm	Mtr.			90	18.60	1674.00	90	1674.00
	2.5 sqmm	Mtr.			200	29.20	5840.00	200	5840.00

AEE (Elg.)

	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
	4 sqmm	Mtr.			200	42.10	8420.00	200	8420.00
	6 sqmm	Mtr.			50	63.80	3190.00	50	3190.00
8	Supplying and drawing PVC flexible copper wire of approved make in place of deteriorated wire.								
	23/0.0060"	Mtr.			50	8.00	400.00	50	400.00
9	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A (Item No. - 3.7.A)								
	Stepped Fan Regulator.	Each			10	286.00	2860.00	10	2860.00
	TV/Telephone socket	Each			2	82.00	164.00	2	164.00
10	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sq CM			20000	0.22	4400.00	20000	4400.00
11	Supplying....way plastic gang box and fixing using necessary wooden/ rawl/phill plugs and screws.								
	2 to 4 way gang box	No			10	29.00	290.00	10	290.00
	6 to 10 way gang box	No			15	53.00	795.00	15	795.00
12	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A								
	6Amps SP Switch	No			80	35.00	2800.00	80	2800.00
	6Amps 2way Switch	No			10	49.00	490.00	10	490.00
	6Amps 3 way 5 pin Socket	No			25	53.00	1325.00	25	1325.00
	6Amps 3 pin Top	No			25	51.00	1275.00	25	1275.00
	6Amps Bakelite ceiling rose	No			25	43.00	1075.00	25	1075.00
	6 Amps lamp holder	No			25	48.00	1200.00	25	1200.00
	6 Amps bell push	No			10	48.00	480.00	10	480.00
	6 Amps bell buzzer	No			10	117.00	1170.00	10	1170.00
	16 Amps SP switch	No			10	89.00	890.00	10	890.00
	16 Amps 3 way 5 pin socket	No			10	94.00	940.00	10	940.00
	16 Amps 3 pin top	No			10	77.00	770.00	10	770.00
	32 Amps Bakelite DP	No			10	156.00	1560.00	10	1560.00
	16/6 Amps combined plug and socket with control switch	No			10	268.00	2680.00	10	2680.00
13	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic.								
	1x4'-28 Watts	Each			5	990.00	4950.00	5	4950.00
14	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.								
	63Amps	Each			5	234.00	1170.00	5	1170.00

AEE (Elec.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment				
			Qty	Cost	Qty	Rate	Cost	Qty	
15	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.								
	5-32Amps SP	Each			10	418.00	4180.00	10	4180.00
	5-32 Amps DP	Each			5	849.00	4245.00	5	4245.00
	40-63Amps TPN	Each			1	1936.00	1936.00	1	1936.00
16	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No			4	2727.00	10908.00	4	10908.00
17	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire								
	8 SWG	Mtr			50	19.50	975.00	50	975.00
18	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.								
	300mm Sweep	Each			2	2424.00	4848.00	2	4848.00
19	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable.								
	2Pair	Rmt.			50	13.00	650.00	50	650.00
20	Supplying and fixing one of 230 volts bell or buzzer and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws.	Each			1	145.00	145.00	1	145.00
21	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws								
	Ding Dong Bell	Each			1	200.00	200.00	1	200.00
22	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries.								
	upto 4mfd	Each			5	104.00	520.00	5	520.00
23	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.								
	1200MM	Each			5	630.00	3150.00	5	3150.00

AEE (Elec.)

	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
24	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (spray method) not less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.	Each			10	278.00	2780.00	10	2780.00
25	Supply and fixing of heavy duty open construction ferromagnetic copper ballast for 20/40 watts fluorescent tubes.	Each			10	200.00	2000.00	10	2000.00
26	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.	Each			20	30.00	600.00	20	600.00
27	Supplying and fixing/replacing of fluorescent tube.								
	18 to 40Watts	No			40	75.00	3000.00	40	3000.00
28	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp.	No			10	31.00	310.00	10	310.00
29	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder.	No			20	31.00	620.00	20	620.00
30	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.								
	On wall / ceiling / Rafter / Girders	Each			5	98.00	490.00	5	490.00
31	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.	Each			2	237.00	474.00	2	474.00
	Total						**98937.00**		**98937.00**
	Less tender Percentage -0.95% Below						**940.00**		
	Total of Bill						**97997.00**		

AEE (Ele.)